

## ABSTRACT OF THE DISCLOSURE

A semiconductor cooling device includes a cold plate for cooling a semiconductor element, a condenser, and an inverter-controlled refrigerant pump, all of which are fluid connected in series with each other to define a refrigerating cycle. The semiconductor cooling device also includes a fan for cooling the condenser, a temperature detector disposed in proximity to the semiconductor element, and a controller for controlling the refrigerant pump and the fan. The controller controls the number of revolutions of the refrigerant pump and that of the fan depending on a value measured by the temperature detector.